

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/012087

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/00 C07K14/47 C12N15/12 C12N5/10 C07K16/30  
G01N33/574

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, CHEM ABS Data, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	MACCALLI CRISTINA ET AL: "Identification of a colorectal tumor-associated antigen (COA-1) recognized by CD4+ T lymphocytes." CANCER RESEARCH, vol. 63, no. 20, 15 October 2003 (2003-10-15), pages 6735-6743, XP002319154 ISSN: 0008-5472 the whole document	1-29
X	WO 03/050253 A (INCYTE GENOMICS, INC; GRIFFIN, JENNIFER, A; RAMKUMAR, JAYALAXMI; EMERL) 19 June 2003 (2003-06-19) sequences 15,48 table I claims 7,9-11	11,12, 14,19,20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

3 March 2005

Date of mailing of the international search report

14/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SMITH CAROLINE L ET AL: "Immunotherapy of colorectal cancer." BRITISH MEDICAL BULLETIN. 2002, vol. 64, 2002, pages 181-200, XP008043772 ISSN: 0007-1420 page 184, paragraph 3 - page 187, paragraph 3 page 182, paragraph 2 - page 183, paragraph 4	1-29
A	ZENG G: "MHC class II-restricted tumor antigens recognized by CD4+ T cells: new strategies for cancer vaccine design." JOURNAL OF IMMUNOTHERAPY (HAGERSTOWN, MD. : 1997) 2001 MAY-JUN, vol. 24, no. 3, May 2001 (2001-05), pages 195-204, XP008043810 ISSN: 1524-9557 the whole document	1-29
A	WANG RONG-FU: "Identification of MHC class II-restricted tumor antigens recognized by CD4+ T cells." METHODS (SAN DIEGO, CALIF.) MAR 2003, vol. 29, no. 3, March 2003 (2003-03), pages 227-235, XP002319744 ISSN: 1046-2023 the whole document	1-29

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012087

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03050253	A	19-06-2003	AU 2002366606 A1	23-06-2003
			CA 2456369 A1	20-02-2003
			CA 2460953 A1	03-04-2003
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